# Highlights of This Issue 2503

## SPECIAL FEATURES

### CCR Translations

- **2505** Minimal Residual Disease in Breast Cancer: In Blood Veritas
  Giulia Siravegna and Alberto Bardelli
  See related article, p. 2643

### Molecular Pathways

- **2508** Molecular Pathways: Preclinical Models and Clinical Trials with Metformin in Breast Cancer
  Alastair M. Thompson

- **2516** Molecular Pathways: Adaptive Kinome Reprogramming in Response to Targeted Inhibition of the BRAF–MEK–ERK Pathway in Cancer
  Gary L. Johnson, Timothy J. Stuhlmiller, Steven P. Angus, Jon S. Zawistowski, and Lee M. Graves

### CCR Focus

- **2524** The Language of Pharmacodynamics
  Susan E. Bates

- **2525** Pharmacologic Biomarkers in the Development of Stratified Cancer Medicine
  William Douglas Figg and David R. Newell

- **2530** Using Pharmacogene Polymorphism Panels to Detect Germline Pharmacodynamic Markers in Oncology
  Daniel L. Hertz and Howard L. McLeod

- **2541** Genome-Wide Association Study: A Useful Tool to Identify Common Genetic Variants Associated with Drug Toxicity and Efficacy in Cancer Pharmacogenomics
  Siew-Kee Low, Atsushi Takahashi, Taisei Mushiroda, and Michiaki Kubo

- **2553** Circulating Tumor Cells: A Multifunctional Biomarker
  Timothy A. Yap, David Lorente, Aurelius Omlin, David Olmos, and Johann S. de Bono

## HUMAN CANCER BIOLOGY

- **2595** FOXM1 Promotes the Warburg Effect and Pancreatic Cancer Progression via Transactivation of LDHA Expression
  Jiujiu Cui, Min Shi, Dacheng Xie, Daoyan Wei, Zhiliang Jia, Shaojiang Zheng, Yong Gao, Suyun Huang, and Keping Xie

- **2607** Human Melanoma Metastases Demonstrate Nonstochastic Site-Specific Antigen Heterogeneity That Correlates with T-cell Infiltration
  Edmund K. Bartlett, Patricia A. Fetsch, Armando C. Filie, Andrea Abati, Seth M. Steinberg, John R. Wunderlich, Donald E. White, Daniel J. Stephens, Francesco M. Marincola, Steven A. Rosenberg, and Udai S. Kammula

- **2617** miR-141 Is a Key Regulator of Renal Cell Carcinoma Proliferation and Metastasis by Controlling EphA2 Expression
  Xuanuyu Chen, Xuegang Wang, Anming Ruan, Weiwel Han, Yan Zhao, Xing Lu, Pei Xiao, Hangchuan Shi, Rong Wang, Li Chen, Shaoying Chen, Quansheng Du, Hongmei Yang, and Xiooping Zhang

- **2631** Regulation of Colorectal Carcinoma Stemness, Growth, and Metastasis by an miR-200c-Sox2–Negative Feedback Loop Mechanism
  Yan-Xia Lu, Li Yuan, Xiao-Lei Xue, Min Zhou, Yan Liu, Chao Zhang, Jing-Ping Li, Lin Zheng, Min Hong, and Xue-Nong Li

---

*Clinical Cancer Research* May 15, 2014 • Volume 20 • Number 10

---

Downloaded from clincancerres.aacrjournals.org on April 19, 2017. © 2014 American Association for Cancer Research.
A Signature Predicting Poor Prognosis in Gastric and Ovarian Cancer Represents a Coordinated Macrophage and Stromal Response
Rita A. Busuttil, Joshy George, Richard W. Tothill, Kylie Ioculano, Adam Kowalczyk, Catherine Mitchell, Stephen Lade, Patrick Tan, Izhak Haviv, and Alex Boussioutas

In Situ Tumor PD-L1 mRNA Expression Is Associated with Increased TILs and Better Outcome in Breast Carcinomas
Kurt A. Schalper, Vamsidhar Velcheti, Daniel Carvajal, Hallie Wimberly, Jason Brown, Lajos Pusztai, and David L. Rimm

Population Pharmacokinetics of Bevacizumab in Children with Osteosarcoma: Implications for Dosing

Quantitative Measurements of Tumoral p95HER2 Protein Expression in Metastatic Breast Cancer Patients Treated with Trastuzumab:Independent Validation of the p95HER2 Clinical Cutoff
Renata Duchnowska, Jeff Sperinde, Ahmed Chenna, Mojgan Haddad, Agnes Paquet, Yolanda Lie, Jodi M. Weidler, Weidong Huang, John Winslow, Tomasz Jankowski, Bogumila Czartoryska-Arłukowicz, Piotr J. Wysocki, Malgorzata Foszczyńska-Kłoda, Barbara Radecka, Maria M. Litwiniuik, Jolanta Żok, Michał Wiśniewski, Dorota Zuziak, Wojciech Biernat, and Jacek Jassem

AC icon indicates Author Choice
CME icon indicates that this article is available for continuing medical education credit at http://cme.aacrjournals.org
For more information please visit www.aacrjournals.org

The cover shows a brain section from a mouse injected with a brain seeking variant of the human breast cancer cell line MDA-MB-231. Immunohistochemical staining indicates a lack of MGMT expression in the tumor cells. Tissue was stained with anti-MGMT antibody and counterstained with hematoxylin and eosin. For details, see the article by Palmieri and colleagues on page 2727 of this issue.
Clinical Cancer Research

20 (10)


Updated version  Access the most recent version of this article at: http://clincancerres.aacrjournals.org/content/20/10

E-mail alerts  Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions  To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions  To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.